



Docket No.: 5920/FET/DV

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Arulkumar P. Shanmugasundram et al.

Serial No. 09/943,383

: APPLICATIONS BRANCH

Filed: August 31, 2001

For: IN SITU SENSOR BASED CONTROL OF SEMICONDUCTOR PROCESSING  
PROCEDURE

RESPONSE TO NOTICE

TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

Honorable Commissioner for Patents  
Washington D.C. 20231

Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application dated November 19, 2001, submitted herewith are the following documents for filing in the above-referenced application:

1. Declaration and Power of Attorney (which is in compliance with 37 CFR 1.63)
2. Assignment and Recordation Form Cover Sheet
3. 8 Sheets of Formal Drawings and Transmittal of Formal Drawings
4. Copy of Notice to File Missing Parts of Nonprovisional Application

Please charge Deposit Account No. 08-0219 in the amount of \$2216.00 (Statutory Basic Filing Fee of \$710.00, Additional Claim Fees of \$1336.00, Late Filing Fee Surcharge of \$130.00 and Assignment Fee of \$40.00). To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 08-0219 and please credit any excess fees to such deposit account.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 08-0219. A duplicate copy is enclosed.

Any additional filing fees required under 37 CFR 1.16.

[X] The Commissioner is hereby authorized to charge payment of following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-0219. A duplicate copy of this sheet is enclosed.

- [X] Any patent application processing fees under 37 CFR 1.17.  
[X] Any filing fees under 37 CFR 1.16 for presentation of extra claims.

It is requested that the official filing receipt now be issued.

Respectfully submitted,

HALE AND DORR LLP



Luke J. Yeh  
Registration No. 43,296

The Willard Office Building  
1455 Pennsylvania Avenue, NW  
Washington, DC 20004  
202 942 8428 SMA:LJY:lrr  
Date: 1/22/02  
202 942 8484 facsimile

DEPARTMENT OF COMMERCE  
U.S. PATENT AND TRADEMARK OFFICE



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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :  
Arulkumar P. Shanmugasundram et al. :  
Serial No. 09/943,383 : Group Art Unit:  
Filed: August 31, 2001 : Examiner:

For: IN SITU SENSOR BASED CONTROL OF SEMICONDUCTOR PROCESSING  
PROCEDURE

TRANSMITTAL OF FORMAL DRAWINGS

Honorable Commissioner for Patents  
Washington, D.C. 20231

Sir:

At the time the above application was filed, informal drawings were presented with the application. The formal drawings are submitted herewith.

Respectfully submitted,

HALE AND DORR LLP

Luke J. Yeh

Registration No. 43,296

1455 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004  
Telephone: 202 942 8400  
Facsimile: 202 942 8484  
Date: 1/22/02



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## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT           | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|---------------------------------|------------------------|
| 09/943,383         | 08/31/2001          | Arulkumar P.<br>Shanmugasundram | 5920/PET/DV            |

CONFIRMATION NO. 7797

## FORMALITIES LETTER



PATENT COUNSEL  
APPLIED MATERIALS, INC.  
Legal Affairs Department  
P.O. BOX 450A  
Santa Clara, CA 95052

NOV 27 2001

Date Mailed: 11/19/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

01/27/2002 BABRAHAL 00000049 080219 09943383

FILED UNDER 37 CFR 1.53(b)

|           |           |
|-----------|-----------|
| 01 FC:101 | 740.00 CH |
| 02 FC:105 | 130.00 CH |
| 03 FC:103 | 936.00 CH |
| 04 FC:102 | 420.00 CH |

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 710 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$1336.
  - \$936 for 52 total claims over 20.
  - \$400 for 5 independent claims over 3 .
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 2176.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:

- drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. ( 5/8 inch), and a bottom

margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice MUST be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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